

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730486

Luminaire Tested: **HBLED-LD5-15SE-W-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-CL-WG-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14995.0 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

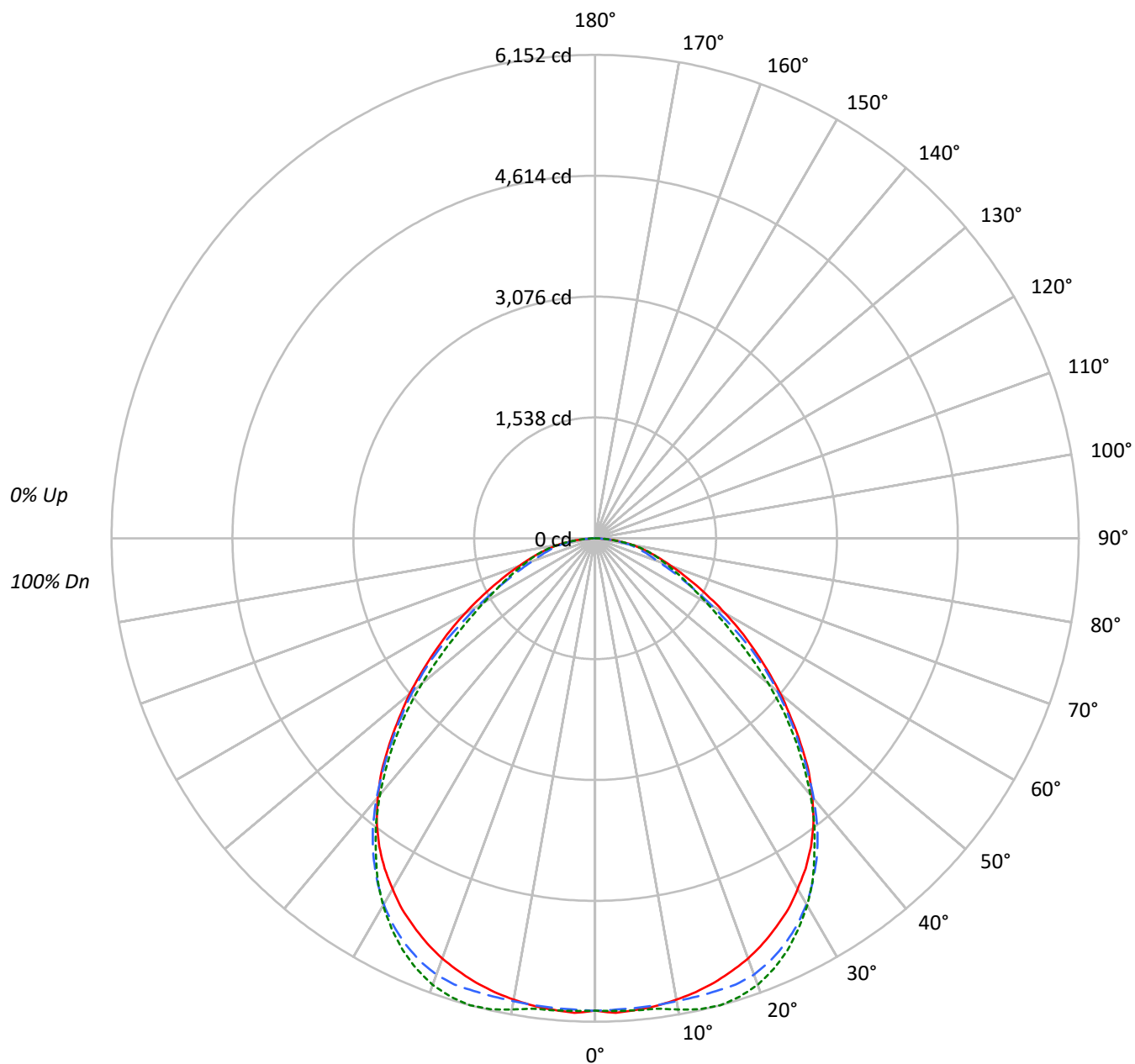
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9708	9708	9708
5°	9765	9725	9773
10°	9774	9807	9982
15°	9786	9970	10284
20°	9779	10152	10389
25°	9720	10161	10311
30°	9608	10027	10059
35°	9436	9702	9586
40°	9064	9120	8976
45°	8446	8357	8187
50°	7732	7608	7218
55°	6946	6688	6103
60°	6160	5534	5268
65°	5427	4598	4781
70°	4854	3990	4554
75°	4547	3880	4605
80°	4427	3922	4383
85°	3533	3103	3218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.8	3.8
10°-20°	1687.1	11.3
20°-30°	2595.4	17.3
30°-40°	3029.0	20.2
40°-50°	2814.7	18.8
50°-60°	2086.4	13.9
60°-70°	1275.4	8.5
70°-80°	726.5	4.8
80°-90°	207.8	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4855.2	32.4
0°-40°	7884.2	52.6
0°-60°	12785.3	85.3
0°-90°	14995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6013	6013	6013	6013	6013	
5°	6025	5997	6000	5996	6030	573
15°	5854	5851	5964	6082	6152	1652
25°	5456	5498	5704	5752	5788	2513
35°	4787	4825	4922	4882	4863	2983
45°	3699	3720	3660	3603	3586	2850
55°	2467	2405	2376	2207	2168	2214
65°	1421	1290	1204	1236	1252	1422
75°	729	684	622	709	738	780
85°	191	186	168	174	174	220
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6012.6	6012.6	6012.6	6012.6	6012.6
2.5°	6045.1	6011.0	6004.8	5990.9	6021.8
5°	6025.0	5997.0	6000.1	5995.5	6029.6
7.5°	6001.7	5981.6	5994.0	5992.4	6037.4
10°	5961.4	5950.5	5981.6	6015.7	6088.6
12.5°	5916.4	5905.6	5973.8	6060.6	6139.7
15°	5854.4	5851.2	5964.5	6082.3	6152.1
17.5°	5776.8	5781.5	5953.6	6054.4	6116.5
20°	5691.5	5699.3	5908.7	5990.9	6046.7
22.5°	5581.4	5607.8	5821.8	5890.0	5933.5
25°	5455.8	5497.7	5703.9	5752.0	5787.7
27.5°	5320.9	5362.8	5558.2	5583.0	5603.2
30°	5153.4	5212.3	5378.2	5381.4	5395.3
32.5°	4982.8	5035.6	5162.7	5148.7	5151.8
35°	4787.4	4824.6	4922.3	4882.0	4863.4
37.5°	4562.6	4582.7	4644.7	4584.3	4581.1
40°	4300.4	4326.8	4326.8	4243.1	4258.6
42.5°	4021.3	4030.6	3991.9	3912.7	3925.1
45°	3698.7	3720.4	3659.9	3602.6	3585.5
47.5°	3379.2	3401.0	3337.4	3270.7	3241.3
50°	3078.4	3067.5	3028.8	2915.6	2873.7
52.5°	2766.7	2732.6	2717.1	2551.1	2503.0
55°	2467.4	2405.4	2375.9	2206.8	2168.0
57.5°	2189.7	2078.1	2022.3	1890.5	1874.9
60°	1907.5	1781.9	1713.7	1628.4	1631.5
62.5°	1651.7	1519.8	1437.6	1412.8	1423.7
65°	1420.6	1290.3	1203.5	1236.0	1251.5
67.5°	1211.2	1104.2	1006.5	1082.5	1098.0
70°	1028.2	942.9	845.2	956.9	964.6
72.5°	876.2	806.4	724.2	829.7	846.7
75°	728.9	683.9	621.9	708.7	738.2
77.5°	600.2	564.5	528.8	581.6	614.1
80°	476.1	440.5	421.8	449.7	471.4
82.5°	336.5	313.3	294.7	314.8	325.7
85°	190.7	186.1	167.5	173.7	173.7
87.5°	43.4	49.6	55.8	51.2	43.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)